



532-0554

9th Floor, L & C Annex  
401 Church Street  
Nashville, TN 37243-1531  
Telephone: (615)

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NOT TO BE USED FOR TITLE V APPLICATIONS

## PERMIT APPLICATION

APC 20

PLEASE TYPE OR PRINT AND SUBMIT IN DUPLICATE FOR EACH EMISSION SOURCE. ATTACH APPROPRIATE SOURCE DESCRIPTION FORMS.

<b>1. ORGANIZATION'S LEGAL NAME</b> New Cingular Wireless PCS, LLC dba AT&T Mobility			/// FOR	APC COMPANY--POINT NO. <b>54-0245-01</b>
<b>2. MAILING ADDRESS (ST/RD/P.O. BOX)</b> 2600 Camino Ramon, Room 3E450Z			/// APC	APC LOG/PERMIT NO. <b>9167434</b>
CITY San Ramon	STATE CA	ZIP CODE 94583	PHONE WITH AREA CODE (925) 327-2532	
<b>3. PRINCIPAL TECHNICAL CONTACT</b> Barbara Walden, EH&S Manager			PHONE WITH AREA CODE (925) 327-2532	
<b>4. SITE ADDRESS (ST/RD/HWY)</b> 161 County Road 216			COUNTY NAME McMinn	
CITY OR DISTANCE TO NEAREST TOWN Niota		ZIP CODE 37826	PHONE WITH AREA CODE	
<b>5. EMISSION SOURCE NO. (NUMBER WHICH UNIQUELY IDENTIFIES THIS SOURCE)</b> GEN 1		PERMIT RENEWAL YES ( ) NO ( X )		
<b>6. BRIEF DESCRIPTION OF EMISSION SOURCE</b>  50 kW diesel-fired emergency generator (design rating) equipped with an engine rated at 70 kW (93 hp).				

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TN, DN, CE  
AIR POLLUTION CONTROL

<b>7. TYPE OF PERMIT REQUESTED</b>				
CONSTRUCTION ( X )	STARTING DATE October 2013	COMPLETION DATE October 2013	LAST PERMIT NUMBER	EMISSION SOURCE REFERENCE NUMBER GEN 1
OPERATING ( )	DATE CONSTRUCTION STARTED	DATE COMPLETED	LAST PERMIT NUMBER	EMISSION SOURCE REFERENCE NUMBER
LOCATION TRANSFER ( )	TRANSFER DATE		LAST PERMIT NUMBER	EMISSION SOURCE REFERENCE NUMBER

ADDRESS OF LAST LOCATION

<b>8. DESCRIBE CHANGES THAT HAVE BEEN MADE TO THIS EQUIPMENT OR OPERATION SINCE THE LAST CONSTRUCTION OR OPERATING PERMIT APPLICATION.</b> N/A
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<b>9. SIGNATURE (APPLICATION MUST BE SIGNED BEFORE IT WILL BE PROCESSED)</b> <i>Michele M. Blazek</i>		DATE <b>6/5/2013</b>
<b>10. SIGNER'S NAME (TYPE OR PRINT)</b> Michele M. Blazek	TITLE Assistant Secretary	PHONE WITH AREA CODE 925-327-2532

(OVER)

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### PROCESS OR FUEL BURNING SOURCE DESCRIPTION

APC21(&amp; 24)

PLEASE TYPE OR PRINT, SUBMIT IN DUPLICATE AND ATTACH TO THE PERMIT APPLICATION.

1. ORGANIZATION NAME New Cingular Wireless PCS, LLC dba AT&T Mobility		/// FOR	APC COMPANY-POINT NO.
2. EMISSION SOURCE NO. ( AS ON PERMIT APPLICATION ) GEN 1		SIC CODE 4812	/// APC
			APC PERMIT/LOG NO.

### 3. DESCRIPTION OF PROCESS OR FUEL BURNING UNIT

Emergency use generator, GENERAC 5564-0 (SD-050). Engine manufactured after April 1, 2006. Rated at 50 kW; maximum engine output of 70 kW. Limited to 500 operating hours per year.

<b>4. NORMAL OPERATION:</b> → Limited to 500 hours/year	HOURS/DAY N/A	DAYS/WEEK N/A	WEEKS/YEAR N/A	DAYS/YEAR N/A	
<b>5. PERCENT ANNUAL THROUGHPUT:</b> →	DEC.-FEB. N/A	MARCH-MAY N/A	JUNE-AUG. N/A	SEPT.-NOV. N/A	
<b>6. TYPE OF PERMIT APPLICATION</b>				( CHECK BELOW ONE ONLY )	
PROCESS SOURCE: APPLY FOR A SEPARATE PERMIT FOR EACH SOURCE. ( CHECK AT RIGHT, AND COMPLETE LINES 7, 8, 13, AND 14 ).				( )	
PROCESS SOURCE WITH IN-PROCESS FUEL: PRODUCTS OF COMBUSTION CONTACT MATERIALS HEATED. APPLY FOR A SEPARATE PERMIT FOR EACH SOURCE. ( CHECK AT RIGHT, AND COMPLETE LINES 7, 8, AND 10 THROUGH 14 )				( )	
NON-PROCESS FUEL BURNING SOURCE: PRODUCTS OF COMBUSTION DO NOT CONTACT MATERIALS HEATED. COMPLETE THIS FORM FOR EACH BOILER OR FUEL BURNER AND COMPLETE AN EMISSION POINT DESCRIPTION FORM ( APC 22 ) FOR EACH STACK. ( CHECK AT RIGHT, AND COMPLETE LINES 9 TO 14 )				( X )	
<b>7. TYPE OF OPERATION:</b> CONTINUOUS, ( ) BATCH ( )			NORMAL BATCH TIME	NORMAL BATCHES/DAY	
<b>8. PROCESS MATERIAL INPUTS AND IN-PROCESS SOLID FUELS</b>	DIAGRAM* REFERENCE	INPUT RATES (POUNDS/HOUR)		/	(FOR APC USE ONLY) SCC CODE
		DESIGN	ACTUAL		
A.				/	
B.				/	
C.				/	
D.				/	
E.				/	
F.				/	
G.				/	
TOTALS				/	

\* A SIMPLE PROCESS FLOW DIAGRAM MUST BE ATTACHED.

( OVER )

APC 21 (& 24)

<b>9. BOILER OR BURNER DATA: ( COMPLETE LINES 9 TO 14 USING A SEPARATE FORM FOR EACH BOILER )</b>					
BOILER NUMBER	STACK NUMBER**	TYPE OF FIRING***	RATED BOILER HORSEPOWER	RATED INPUT CAPACITY (10 <sup>6</sup> BTU/HR)	OTHER BOILER RATING (SPECIFY CAPACITY AND UNITS)
GEN 1	GEN 1	Internal Combustion Engine	93 (engine)	0.57 (engine)	70 kW (engine); 50 kW (generator)
BOILER SERIAL NO. N/A		DATE CONSTRUCTED N/A	DATE OF LAST MODIFICATION (EXPLAIN IN COMMENTS BELOW).		

\*\* BOILERS WITH A COMMON STACK WILL HAVE THE SAME STACK NUMBER.

\*\*\* CYCLONE, SPREADER ( WITH OR WITHOUT REINJECTION ), PULVERIZED ( WET OR DRY BOTTOM, WITH OR WITHOUT REINJECTION ), OTHER STOKER ( SPECIFY TYPE ), HAND FIRED, AUTOMATIC, OR OTHER TYPE ( DESCRIBE BELOW IN COMMENTS ).

<b>10. FUEL DATA: ( COMPLETE FOR A PROCESS SOURCE WITH IN-PROCESS FUEL OR A NON-PROCESS FUEL BURNING SOURCE )</b>							
PRIMARY FUEL TYPE ( SPECIFY ) Diesel Fuel Oil #2				STANDBY FUEL TYPE( S ) ( SPECIFY ) N/A			
FUELS USED	ANNUAL USAGE	HOURLY USAGE		% SULFUR	% ASH	BTU VALUE OF FUEL	(FOR APC ONLY) SCC CODE
		DESIGN	AVERAGE				
NATURAL GAS:	10 <sup>6</sup> CUFT	CUFT	CUFT	/ / / / / / / /	/ / / / / /		
#2 FUEL OIL: Primary	10 <sup>3</sup> GAL 2.08	GAL 4.15	GAL 4.15	0.0015	/ / / / / /	137,000 Btu/gal	
#5 FUEL OIL:	10 <sup>3</sup> GAL	GAL	GAL		/ / / / / /		
#6 FUEL OIL:	10 <sup>3</sup> GAL	GAL	GAL		/ / / / / /		
COAL:	TONS	LBS	LBS				
WOOD:	TONS	LBS	LBS	/ / / / / / / /	/ / / / / /		
LIQUID PROPANE:	10 <sup>3</sup> GAL	GAL	GAL	/ / / / / / / /	/ / / / / /		
OTHER (SPECIFY TYPE & UNITS.):							

11. IF WOOD IS USED AS A FUEL, SPECIFY TYPES AND ESTIMATE PERCENT BY WEIGHT OF BARK  
N/A

12. IF WOOD IS USED WITH OTHER FUELS, SPECIFY PERCENT BY WEIGHT OF WOOD CHARGED TO THE BURNER.  
N/A

**13. COMMENTS**

Source is limited to 500 operating hours per year and will operate as an emergency engine.

14. SIGNATURE <i>Michael M. Blazek</i>	DATE <i>6/5/2013</i>
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NOT TO BE USED FOR TITLE V APPLICATIONS

## EMISSION POINT DESCRIPTION

APC 22

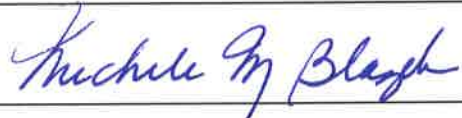
PLEASE TYPE OR PRINT AND SUBMIT IN DUPLICATE FOR EACH STACK OR EMISSION POINT.  
ATTACH TO THE PERMIT APPLICATION.

<b>1. ORGANIZATION NAME</b> New Cingular Wireless PCS, LLC dba AT&T Mobility				///	APC COMPANY POINT NO.		
<b>2. EMISSION SOURCE NO. (FROM APPLICATION)</b> GEN I				///	APC SEQUENCE NO.		
<b>3. LOCATION:</b> →				LATITUDE 35°32'09.18"	LONGITUDE -84°39'11.62"	UTM VERTICAL UTM HORIZONTAL	
<b>4. BRIEF EMISSION POINT DESCRIPTION (ATTACH A SKETCH IF APPROPRIATE):</b> Emergency use diesel generator designed for 50 kW; maximum engine output of 70 kW (93 hp).					DISTANCE TO NEAREST PROPERTY LINE (FT)		
COMPLETE LINES 5 AND 6 IF DIFFERENT FROM THAT ON THE PROCESS OR FUEL BURNING SOURCE DESCRIPTION (APC 21)							
<b>5. NORMAL OPERATION:</b> 500 hours / year →	HOURS/DAY ←	DAYS/WEEK ←	WEEK/YEAR ←	DAYS/YEAR ←			
<b>6. PERCENT ANNUAL THROUGHPUT:</b> →	DEC.-FEB.	MARCH-MAY	JUNE-AUG.	SEPT.-NOV.			
<b>7. STACK OR EMISSION POINT DATA:</b> →	HEIGHT ABOVE GRADE ( FT ) 7	DIAMETER (FT) 0.25	TEMPERATURE (°F) 930	% OF TIME OVER 125°F 100	DIRECTION OF EXIT (UP, DOWN OR HORIZONTAL)		
DATA AT EXIT CONDITIONS: →	FLOW (ACTUAL FT <sup>3</sup> /MIN.) 534	VELOCITY (FT/SEC) 181.3	MOISTURE (GRAINS/FT <sup>3</sup> )		MOISTURE (PERCENT)		
DATA AT STANDARD CONDITIONS: →	FLOW (DRY STD. FT <sup>3</sup> /MIN)	VELOCITY (FT/SEC)	MOISTURE (GRAINS/FT <sup>3</sup> )		MOISTURE (PERCENT)		
<b>8. AIR CONTAMINANTS</b>	ACTUAL EMISSIONS				EMISSIONS* EST. METHOD	CONTROL DEVICES*	CONTROL EFFICIENCY%
	EMISSIONS (LBS/HR) AVERAGE	MAXIMUM	CONCENTRATION	AVG. (TONS/YR)			
PARTICULATES	0.06	0.06	8.82 E-04 lb/kW-hr	0.02	5 (Tier 3)	None	N/A
SULFUR DIOXIDE	1.13E-03	1.13E-03	1.21 E-05 lb/hp-hr	2.82E-04	3	None	N/A
CARBON MONOXIDE	0.77	0.77	1.10 E-02 lb/kW-hr	0.19	5 (Tier 3)	None	N/A
ORGANIC COMPOUNDS	0.02	0.02	2.65 E-04 lb/kW-hr	4.63E-03	5 (Vendor)	None	N/A
NITROGEN OXIDES	0.73	0.73	1.04 E-02 lb/kW-hr	0.18	5 (Tier 3)	None	N/A
FLUORIDES							
OTHER( SPECIFY ) GHG as CO <sub>2</sub> e	126	126	1.80 lb/kW-hr	31.48	5 (Vendor)	None	N/A
OTHER( SPECIFY ) Single HAP	7.68E-04	7.68E-04	8.26 E-06 lb/hp-hr	1.92 E-04	3	None	N/A
OTHER( SPECIFY ) Total HAPs	2.47E-03	2.47E-03	2.65 E-05 lb/hp-hr	6.17 E-04	3	None	N/A

( OVER )

**9. CHECK TYPES OF MONITORING AND RECORDING INSTRUMENTS THAT ARE ATTACHED:**OPACITY MONITOR ( ), SO<sub>2</sub> MONITOR ( ), NO<sub>x</sub> MONITOR ( ), OTHER (SPECIFY IN COMMENTS) ( )**10. COMMENTS**

Emissions calculated based on the generator operating at full capacity for 500 hours per year, maximum engine rating, and Tier 3 emission factors for CO, NO<sub>x</sub>, and PM. Vendor factors used for VOC and GHG. AP-42 factor from Section 3.4 used for SO<sub>2</sub> along with 15 ppm S content.

**11. SIGNATURE**

DATE

6/5/2013

\* REFER TO THE BACK OF THE PERMIT APPLICATION FORM FOR ESTIMATION METHOD AND CONTROL DEVICE CODES.

\*\* EXIT GAS PARTICULATE CONCENTRATION UNITS: PROCESS — GRAINS/DRY STANDARD FT<sup>3</sup> ( 70°F ); WOOD FIRED BOILERS — GRAINS/DRY STANDARD FT<sup>3</sup> ( 70°F ); ALL OTHER BOILERS — LBS/MILLION BTU HEAT INPUT.

\*\*\* EXIT GAS SULFUR DIOXIDE CONCENTRATIONS UNITS: PROCESS — PPM BY VOLUME, DRY BASES; BOILERS — LBS/MILLION BTU HEAT INPUT.

**161 County Road 216, Niota (McMinn County)**